

On one 2-valued transformation: Its invariant measure and application to masked dynamical systems

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Abstract

© 2014 P. I. Troshin. We consider one family S of 2-valued transformations on the interval $[0, 1]$ with measure μ , endowed with a set of weight functions. We construct invariant measure $S =$ for this multivalued dynamical system with weights and show the interplay between such systems and masked dynamical systems, which leads to image processing.

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